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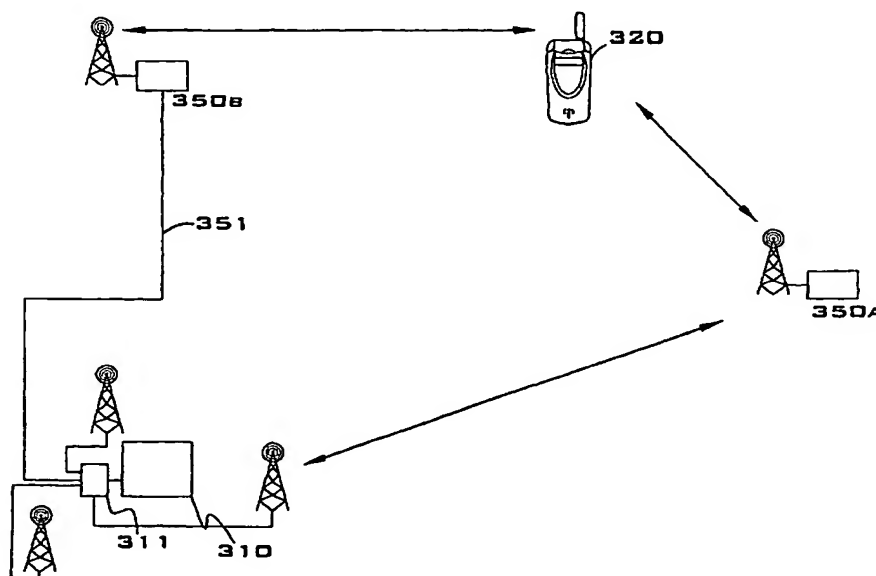
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[Continued on next page]

(54) Title: SYSTEM AND METHOD FO OPERATION FOR NETWORK OVERLAY GEOLOCATION SYSTEM WITH REPEATERS



(57) Abstract: A novel system and method for a network overlay geolocation system operating in a host wireless communication system with repeaters (350a, 350b) is disclosed. Embodiments of the novel system and method enable the geolocation system to determine if signals being received by the geolocation system arrive directly from a target mobile appliance or if the signals are passing through a repeater (350a, 350b) and therefore are subject to a known time delay. Embodiments of the novel system and method provide a more accurate geolocation of mobiles served by repeater stations than capable in the prior art.



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A. CLASSIFICATION OF SUBJECT MATTER

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B. FIELDS SEARCHED

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Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5,870,029 A (OTTO et al) 09 February 1999, see col.2, line 41- col. 3, line25.	1-35
X,P	US 6,501,955 B1 (DURRANT et al) 31 December 2002, see entire document.	1-35
Y,P	US 2003/0190919 A1 (NIEMENMAA) 09 October 2003, see paragraphs 0028-0041.	1-35
X,P	US 2002/0155838 A1 (DURRANT et al) 24 October 2002, see entire document.	1, 11, 22, 25, 26, 30, 34 & 35



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"P" document published prior to the international filing date but later than the priority date claimed	

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